

AMENDMENTS TO THE CLAIMS

1. (currently amended) A centering device, in particular for a tracer-type measuring instrument, comprising:

-a) an instrument carrier (3) defining an instrument axis (7);
-b) a carrying shank (41) defining a shank axis (43);
-c) a centering holder (45) holding the instrument carrier (3), with the instrument axis (7) parallel to the shank axis, radially movably to the latter, but so as to be capable of being fixed to the carrying shank (41), characterized in that wherein the centering holder (45) is designed as a parallelogram guide with a parallelogram-link region (59), or a plurality of these regions, distributed about the shank axis (43) and the instrument axis (7) and extending along these axes (7, 43).

2. (currently amended) The centering device as claimed in claim 1, characterized in that wherein the parallelogram-link region is formed by a circular-cylindrical sleeve portion (59) axially parallel to the shank axis (43) and to the instrument axis (7).

3. (currently amended) The centering device as claimed in claim 2, characterized in that wherein the sleeve portion (59) is designed with a closed wall in the circumferential direction.

4. (currently amended) The centering device as claimed in claim 2 or 3, characterized in that wherein the centering holder (45) comprises a connecting flange (47) which surrounds the shank axis (43) and the instrument axis (7) and connects the carrying shank (41) to the instrument carrier (3) and which has, on its sides facing axially away from one another, annular grooves (55, 57) which are concentric to one another, overlap one another axially and delimit the sleeve portion (59) radially between them.

5. (currently amended) The centering device as claimed in ~~one of claims claim 1 to 4~~, characterized in that wherein the parallelogram-link region is connected at its one axial end to a first annular portion (61) of the centering holder (45) and at its other axial end to a second annular portion (63, 65) of the centering holder (45), and in that one (63, 65) of these annular portions carries at least one setscrew (69) which is supported radially in the region of the other (61) of these annular portions.

6. (currently amended) The centering device as claimed in claim 5, characterized in that wherein one annular portion (63, 65) carries at least three setscrews (69) distributed in the circumferential direction.

7. (currently amended) The centering device as claimed in claim 5 or 6, characterized in that wherein the two annular portions (61, 63, 65) are arranged coaxially one in the other, and the outer annular portion (63, 65) carries the at least one setscrew (69) in a radially screwable manner.

8. (currently amended) The centering device as claimed in ~~one of claims~~ claim 1 to 7, characterized in that wherein the parallelogram-link region (59) is produced with its axial ends integrally in one piece with at least one of the carrying shank (41) and/or with the instrument carrier (3).